

AMENDMENT 1 to NOAA WIND PROFILER MAINTENANCE NOTE 1
(for Electronics Technicians)
Engineering Division
W/OS0321:RRK

Amendment to Wind Profiler Site Configuration Audit

GENERAL

Make the following changes to NOAA Wind Profiler Maintenance Note 1, Issuance 93-5, dated 9-1-93.

PROCEDURE

1. At the bottom of page 1, add the following items: heat gun and flashlight.
2. On page A-2, substitute the following procedure for testing the status monitor assembly.

Status Monitor Assembly

This procedure tests the status monitor assembly over-temperature shutdown feature.

NOTE

The outside temperature must be above 60 degrees F (15 degrees C) or the environmental control units will not turn on. If the outside temperature is below 60 degrees F, disconnect the outside temperature probe from port J10 on the status monitor assembly. This will simulate high outside temperature.

1. Verify that the inside and outside temperature readings on the PMT are within ± 2 degrees C of the temperature meter displays on the front panel of the status monitor assembly. Obtain the readings from the following PMT menu: Display Current Output Menu -> Landline Output Menu -> Status Data Menu.
2. Use a heat gun to raise the inside temperature by waving the heat gun on the top 1/3 section of the temperature probe. DO NOT hold the heat gun continuously on the probe as this will destroy the sensing element in the probe.
3. The "inside temperature" digital readout on the status monitor assembly will slowly increase.

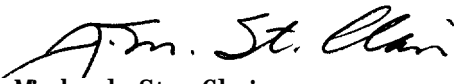
4. Try to raise this temperature to about 33 degrees C. Hold this temperature for about 15 minutes or until the conditions below occur. Do not let the temperature reach 37 degrees C at any point during this test.

The following events should occur in this order if the system is working properly:

- a. Both air conditioner units will come on, one at a time.
 - b. The exhaust fan will turn on.
5. After both air conditioners and fan turn on, disconnect the temperature probe from the connector at the top of the BSU cabinet. The main breaker will trip in about 45 seconds.
 6. Using a flashlight, turn off breakers 17/19, 22, and 24 in the circuit breaker panel on the shelter wall opposite the transmitter or PA cabinet.
 7. Reset the main breaker in the circuit breaker panel.
 8. Reconnect the temperature probe(s).
 9. Follow the standard power-up sequence.
 10. Record the test results on the checklist.

EFFECT ON OTHER INSTRUCTIONS

None.


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